Nam	Name:			N.B. p			
Aton	nic Models Study	Guide			Single/Science		
1.	List the maximum # of electrons each energy level can hold:						
	1—	3		5			
	2—	4	.—				
2.	What are valence ele	ectrons? Also, exp	olain why they	are importar	ıt.		
3.	If an atom has LESS than 8 electrons in its outermost energy level, it will be is an exception to this						
	rule; it is stable with				is an exception to this		
	,						
4.	State the valence electron # for each group:						
	Group 1 =	Group 15 =					
	Group 2 =	Group 16 =					
	Group 13 =	Group 17 =					
	Group 14 =	Group 18 =					
5.	Electron Dot Diagran	ns can also be call	ed				
6.	Electron Dot Diagran			_electrons &			
7.	Draw Bohr models for each:						
	Aluminum		Chlorine	e			
	Oxygen		Neon				

Iron	
(2 valence electrons)	

Argon

8. Draw Electron Dot Diagrams for each:

Boron	Carbon	Nitrogen	Oxygen
Sodium	Calcium	Potassium	Xenon
LiCl	MgCl ₂	Na ₂ O	NH ₃

CaCl₂

H₂O

RbI

Na₃N